| Ref # | Hits | Search Query | DBs | Default Operat or | Plural s | Time Stamp |
|----------|------|---------------------------|-------------------------------|-------------------------|-------------|---------------------|
| \$22 | 1667 | (438/612).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:04 |
| \$23 | 1216 | \$22 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:04 |
| \$24 | 1607 | (438/613).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:22 |
| \$25 | 1488 | \$24 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:31 |
| \$26 | 1000 | \$25 not \$23 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:04 |
| \$27 | 873 | (438/614).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:31 |
| \$28 | 692 | \$27 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:22 |
| \$29 | 1607 | S24 S26 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:24 |
| S30 | 376 | \$28 not \$29 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:24 |
| \$31 | 298 | (438/615).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:31 |
| \$32 | 241 | \$31 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 14:35 |
| \$33 | 0 | ("200500152610").PN. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:36 |
| \$36 | 145 | (29/839).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 14:38 |

| S37 | 1706 | (29/840).CCLS. | US-PGPU B; USPAT; | OR | OFF | 2006/11/03 14:38 |
|------------|------|---------------------------|-------------------------------|----|-----|---------------------|
| | | | USOCR | | | |
| \$38 | 865 | \$37 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:41 |
| \$40 | 609 | (438/616-617).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 15:22 |
| \$41 | 480 | \$40 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:26 |
| \$43 | 2 | 10/351888 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:40 |
| \$45 | 3644 | S23 S25 S28 S32 S38 S41 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:41 |
| \$46 | 64 | 438/106-108 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:41 |
| \$47 | 4875 | (438/106-108).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 15:41 |
| \$48 | 3422 | \$47 and (grid ball bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:41 |
| \$49 | 2652 | \$48 not \$45 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/03 15:56 |
| \$50 | 1 | ("20030040158").PN. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/03 15:57 |
| \$59 | 2660 | (438/106).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:05 |
| \$60 | 3594 | (438/612-617).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 13:39 |
| \$61 | 2334 | \$59 not \$60 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 13:39 |

| C/C | 1451 | | IIC DCDII | OP | ON | 2004/11/05 |
|------|-------------|---------------------------|-------------------------------|----|-----|---------------------|
| \$62 | 1451 | \$61 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:29 |
| \$63 | 1408 | \$62 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:06 |
| S64 | 2740 | (438/107-108).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:29 |
| \$65 | 5928 | \$59 \$60 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:05 |
| S66 | 1740 | S64 not S65 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:05 |
| S67 | 1241 | \$66 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:36 |
| \$68 | 1222 | \$67 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:30 |
| \$69 | 2295 | (438/109-112).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:37 |
| \$70 | 7668 | \$65 \$64 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:29 |
| \$71 | 1439 | \$69 not \$70 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:29 |
| S72 | 791 | \$71 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:47 |
| \$73 | 769 | \$72 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:38 |
| \$74 | 3294 | (438/113-118).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:46 |
| \$75 | 9906 | \$70 \$74 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:35 |

| \$76 | 3709 | \$69 \$66 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:36 |
|------|-------|---------------------------|-------------------------------|----|-----|---------------------|
| \$77 | 2 | ("0000117").PN. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:37 |
| \$78 | 7693 | \$69 \$65 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:37 |
| S79 | 6423 | (438/106-112).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:38 |
| \$80 | 2106 | \$74 not \$79 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:38 |
| S81 | 1012 | \$80 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:00 |
| S82 | 949 | \$81 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:47 |
| \$83 | 8529 | (438/106-118).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:46 |
| \$84 | 6056 | (438/119-127).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:47 |
| \$85 | 3433 | \$84 not \$83 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:47 |
| \$86 | 1493 | \$85 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:47 |
| \$87 | 1416 | \$86 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:00 |
| 882 | 11962 | (438/106-127).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:59 |
| S89 | 3594 | (438/612-617).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 14:59 |

| \$90 | 14247 | \$88 \$89 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 14:59 |
|------------|-------|---------------------------|-------------------------------|----|-----|---------------------|
| \$91 | 2127 | (257/630-640).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 15:02 |
| S92 | 2068 | S91 not S90 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:00 |
| \$93 | 174 | S92 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:03 |
| S94 | 126 | \$93 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:03 |
| \$95 | 5703 | S91 S89 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:02 |
| S96 | 4348 | (257/641-660).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 15:02 |
| \$97 | 16315 | \$91 \$90 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:02 |
| \$98 | 3584 | \$96 not \$97 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:03 |
| S99 | 413 | \$98 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:07 |
| \$10 0 | 307 | \$99 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:08 |
| \$10 1 | 16760 | (257/661-700).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:02 |
| \$10 2 | 19899 | S96 S91 S90 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:07 |
| \$10 3 | 13762 | \$101 not \$102 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:08 |

| \$10 4 | 6755 | \$103 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:04 |
|-----------|------|----------------------------|-------------------------------|----|-----|---------------------|
| \$10 5 | 6490 | \$104 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:09 |
| \$10 6 | 9365 | (257/661-680).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 15:52 |
| \$10 7 | 7663 | \$106 not \$102 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:08 |
| \$10 8 | 3463 | \$107 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:53 |
| \$10 9 | 3337 | \$108 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:53 |
| S11 0 | 9944 | (257/681-700).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 15:50 |
| \$11 1 | 7395 | \$110 not \$106 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:52 |
| \$11 2 | 6269 | \$111 not \$90 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:53 |
| \$11 3 | 3350 | \$112 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 15:53 |
| \$11 4 | 3206 | \$113 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:05 |
| \$11 5 | 7433 | (438/701-720).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:07 |
| \$11 6 | 0 | ("58not44").PN. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:01 |
| \$11 7 | 7414 | \$115 not \$101 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:03 |

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|-----------|---------------------------------------|----------------------------|-------------------------------|------|-----|---------------------|
| \$11 8 | 11962 | (438/106-127).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:03 |
| \$11 9 | 876 | (438/216-217).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:03 |
| \$12 0 | 12835 | S118 S119 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:03 |
| \$12 1 | 3594 | (438/612-617).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:04 |
| \$12 2 | 14247 | \$118 \$121 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:04 |
| \$12 3 | 7341 | \$115 not \$122 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:04 |
| \$12 4 | 458 | \$123 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR . | ON | 2006/11/05 17:08 |
| \$12 5 | 218 | \$124 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:09 |
| \$12 6 | 9193 | (257/701-720).CCLS. | US-PGPU B; USPAT; USOCR | OR | OFF | 2006/11/05 17:08 |
| \$12 7 | 8217 | \$126 not \$122 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:08 |
| \$12 8 | 7101 | \$127 not \$106 | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:08 |
| \$12 9 | 2280 | \$128 and (ball grid bump) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:08 |
| \$13 0 | 2033 | \$129 and (die IC chip) | US-PGPU B; USPAT; USOCR | OR | ON | 2006/11/05 17:09 |